

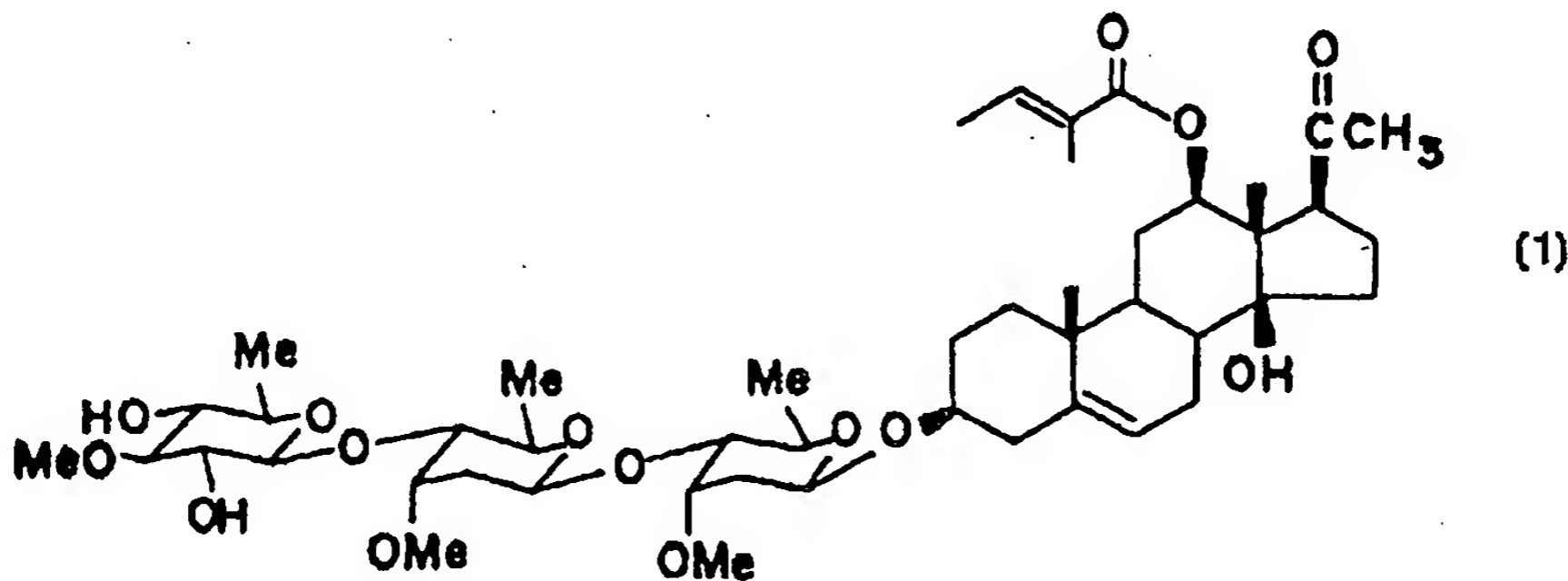
## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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(21) International Application Number: PCT/GB98/01100 (22) International Filing Date: 15 April 1998 (15.04.98) (30) Priority Data: 97/3201 15 April 1997 (15.04.97) ZA (71) Applicant (for all designated States except US): CSIR [ZA/ZA]; Corporate Building, Scientia, Pretoria 0001 (ZA). (71) Applicant (for MN only): ABRAMS, Michael, John [GB/GB]; 3 St. Mary's Avenue, Bramley, Tadley, Hampshire RG26 5UU (GB). (72) Inventors; and (75) Inventors/Applicants (for US only): VAN HEERDEN, Fanie, Retief [ZA/ZA]; 19 Parkgate, 247 Kessel Street, Fairland, Johannesburg 2195 (ZA). VLEGGAR, Robert [ZA/ZA]; 317 Arizona Crescent, Faerie Glen, Pretoria 0043 (ZA). HO- RAK, Roelof, Marthinus [ZA/ZA]; 41 Peffer Street, Elar- dus Park X1, Pretoria 0181 (ZA). LEARMONTH, Robin, Alec [ZA/ZA]; 571 Grafiet Street, Elardus Park, Pretoria 0181 (ZA). MAHARAJ, Vinesh [ZA/ZA]; 16 Ironwood Street, Heuweloord, Pretoria 0149 (ZA). WHITTAL, Rory, Desmond [ZA/ZA]; 28 Springbark Avenue, Heuweloord, Centurion, Pretoria 0149 (ZA).		(74) Agent: ABRAMS, Michael, John; Haseltine Lake & Co., Imperial House, 15-19 Kingsway, London WC2B 6UD (GB). (81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).

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(54) Title: PHARMACEUTICAL COMPOSITIONS HAVING APPETITE SUPPRESSANT ACTIVITY.



## (57) Abstract

A pharmaceutical composition contains an extract obtainable from a plant of the genus *Trichocaulon* or *Hoodia* containing an appetite suppressant agent having the formula (1). A process for obtaining the extract and a process for synthesizing compound (1) and its analogues and derivatives is also provided. The invention also extends to the use of such extracts and compound (1) and its analogues for the manufacture of medicaments having appetite suppressant activity. The invention further provides novel intermediates for the synthesis of compound (1).